



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

WindCalm Windows & Doors, Inc.

13100 SW 134 Street, Unit #7

Miami, FL 33186

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "100" Aluminum Single Hung Window - N.I.

APPROVAL DOCUMENT: Drawing No. W03-109, titled "Series-100 Alum Single Hung Window (N.I)", sheets 1 through 5 of 5, dated 12/02/03, with revision E dated 05/30/14, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: None

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state, model/series, and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises and renews NOA# 09-0624.01 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by Manuel Perez, P.E.



MP
7/18/14

NOA No. 13-0919.03
Expiration Date: March 11, 2019
Approval Date: July 24, 2014
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS


1. Manufacturer's die drawings and sections.
2. Drawing No. **W03-109**, titled "Series-100 Alum Single Hung Window (N.I.)", sheets 1 through 5 of 5, dated 12/02/03, with revision E dated 05/30/14, prepared by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
along with marked-up drawings and installation diagram of an aluminum single hung window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-03-1352**, dated 10/24/03, signed by Rafael E. Droz-Seda, P.E.
"Submitted under NOA# 03-1215.01"
2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
along with marked-up drawings and installation diagram of an aluminum single hung window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-03-1353**, dated 10/24/03, signed by Rafael E. Droz-Seda, P.E.
"Submitted under NOA# 03-1215.01"
3. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
along with marked-up drawings and installation diagram of an aluminum single hung window, prepared by Hurricane Engineering & Testing, Inc., Test Report No. **HETI-03-1354**, dated 10/24/03, signed by Rafael E. Droz-Seda, P.E.
"Submitted under NOA# 03-1215.01"

C. CALCULATIONS

1. Anchor verification calculations and structural analysis, complying with FBC-2010, prepared by Al-Farooq Corporation, , dated June 17, 2009, signed and sealed by Arshad Viqar, P.E.; updated to FBC-2010 on 09/11/13, signed and sealed by Javad Ahmad, P.E.
"Submitted partially under previous NOA# 09-0624.01"
2. Glazing complies with ASTM E1300-09


Manuel Perez, P.E.
Product Control Examiner
NOA No. 13-0919.03
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D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

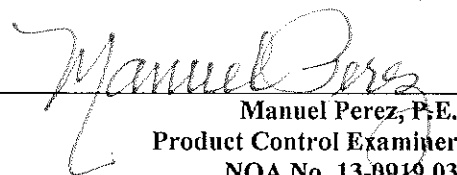
1. None.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC-5th Edition (2014)**, and of no financial interest, dated May 09, 2014, issued by Al-Farooq Corporation, signed and sealed by Javad Ahmad, P.E.

G. OTHERS

1. Notice of Acceptance No. **09-0624.01**, issued to WindCalm Window Mfg., Inc. for their Series 100 Aluminum Single Hung Window - N.I., approved on 10/14/09 and expiring on 03/11/14.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 13-0949.03

Expiration Date: March 11, 2019
Approval Date: July 24, 2014

SERIES-100
ALUMINUM SINGLE HUNG WINDOW

DESIGN LOAD RATINGS FOR THESE WINDOWS TO BE AS PER CHARTS SHOWN ON SHEET 2.

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF S.H./S.H. OR SINGLE HUNG WITH OTHER WINDOW TYPES IN MODULES OF TWO OR MORE WINDOWS USING MIAMI-DADE COUNTY APPROVED MULLIONS IN BETWEEN. LOWER DESIGN PRESSURE FROM WINDOWS OR MULLION APPROVAL WILL APPLY TO ENTIRE SYSTEM.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

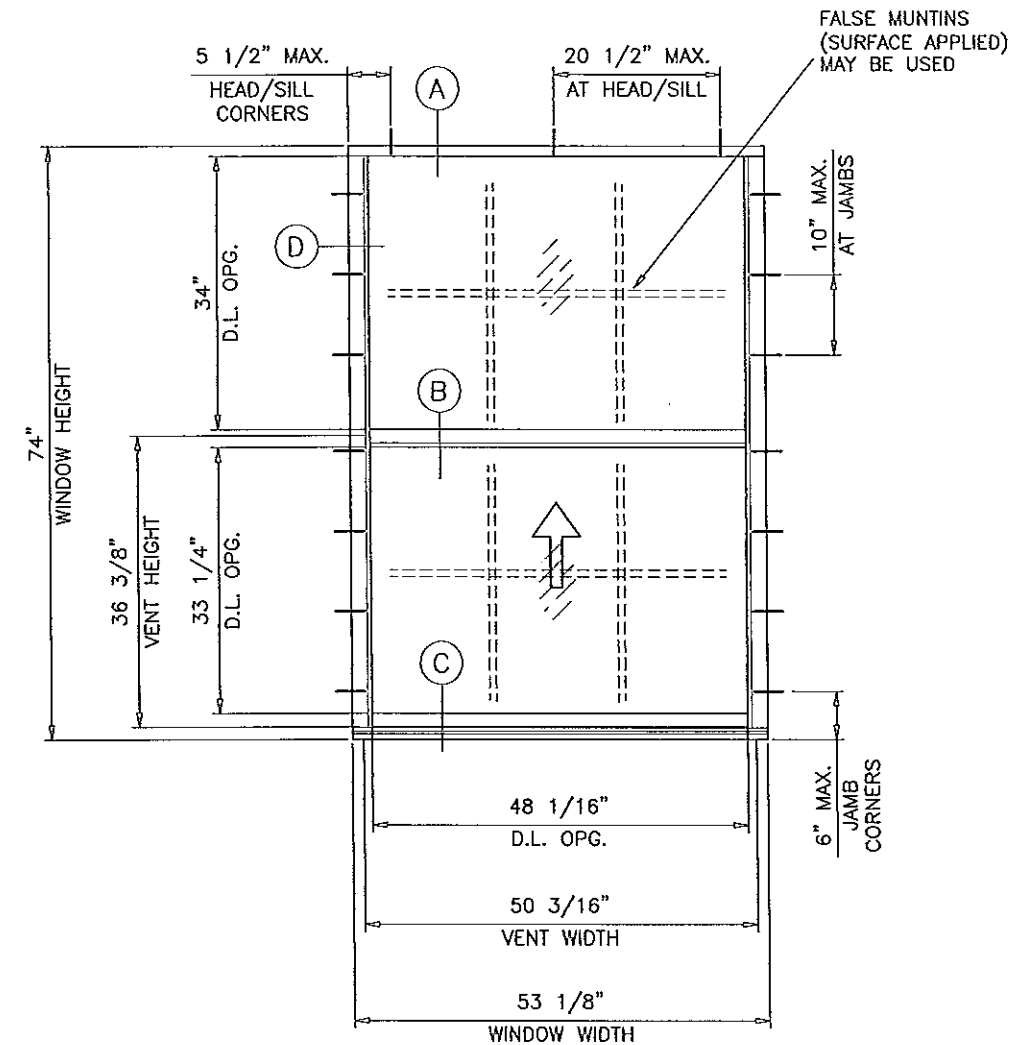
ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS, ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE FLORIDA BLDG. CODE.



TYPICAL ELEVATION
TESTED UNIT

THESE WINDOWS ARE NOT RATED FOR IMPACT.
INSTALLATION OF THIS PRODUCT IN THE HVHZ AREA REQUIRES THE USE OF APPROVED SHUTTERS OR EXTERNAL PROTECTION DEVICES COMPLYING WITH HVHZ REQUIREMENTS.
INSTALLATION OF THIS SYSTEM OUTSIDE THE HVHZ AREA SHALL MEET THE APPLICABLE REQUIREMENTS FOR WIND BORNE DEBRIS PROTECTION.

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538

JUN 04 2014

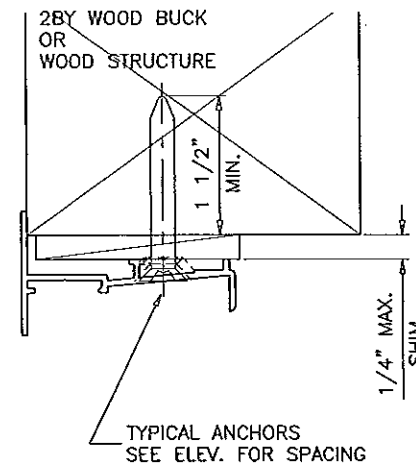
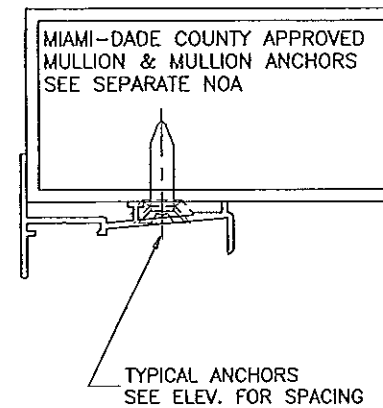
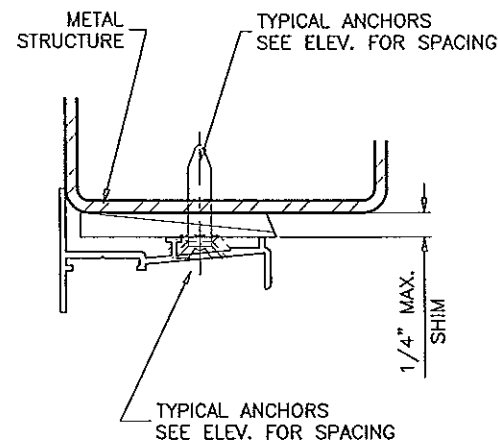
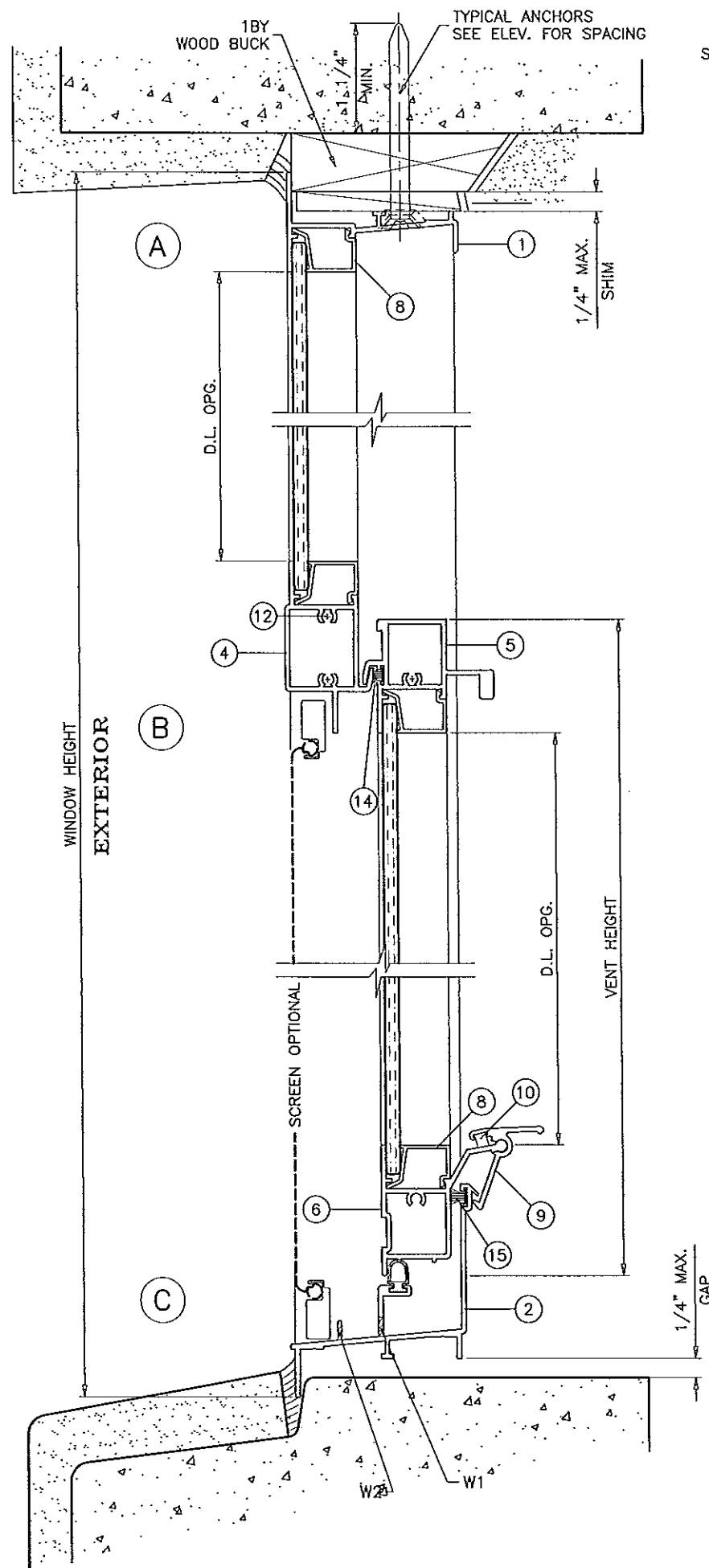
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By *Hamid*
Miami Dade Product Control

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AL-FAROOQ CORPORATION
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1235 S.W. 87 AVE
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TEL (305) 264-8100 FAX (305) 262-6978
COMP-ANL\W03-109WC

SERIES-100 ALUM SINGLE HUNG WINDOW (N.I.)
WINDCALM WINDOWS & DOORS, INC.
WINDCALM UNIT #7
13100 S.W. 134 STREET UNIT #7
MIAMI, FL. 33186
TEL (305) 969-1955 FAX (305) 969-1077

revisions:		date	by	description
A	01.20.04	NO CHANGE THIS SHEET		
B	12.21.05	UPDATED FOR 2004 FBC		
C	06.12.09	UPDATED FOR 2007 FBC		
D	9.11.13	UPDATED TO 2010 FBC		
E	5.30.14	REV. PER REV COMMENTS		

date: 12-02-03	scale: 1/2"=1'-0"	dr. by: HAMID	chk. by:
drawing no. W03-109	sheet 1 of 5		



WOOD BUCKS AND METAL STRUCTURE NOT BY WINDCALM WDW. MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

1/4" DIA. TAPCON BY 'ITW' (Fu=120 KSI, Fy=92 KSI)

1/4" DIA. ULTRACON BY 'ELCO' (Fu=177 KSI, Fy=155 KSI)

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-1/2" MIN. PENETRATION INTO WOOD

THRU 1BY BUCKS INTO CONC. OR MASONRY
1-1/4" MIN. EMBED INTO CONC. OR MASONRY

DIRECTLY INTO CONC. OR MASONRY
1-1/4" MIN. EMBED INTO CONC. OR MASONRY

#14 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)
INTO METAL STRUCTURES

STEEL : 12 GA. MIN. (Fy = 36 KSI MIN.)

ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.)

(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

#12 SMS OR SELF DRILLING SCREWS

INTO MIAMI-DADE COUNTY APPROVED MULLIONS (MIN. THK. = .090")
(NO SHIM SPACE)

TYPICAL EDGE DISTANCE

INTO CONCRETE AND MASONRY = 1-1/2" MIN.

INTO WOOD STRUCTURE = 1" MIN.

INTO METAL STRUCTURE = 3/4" MIN.

CONCRETE f'c = 3000 PSI MIN.

C-90 HOLLOW/FILLED BLOCK f'm = 2000 PSI MIN.

SEALANT:

ALL JOINTS AND FRAME CONNECTIONS SEALED WITH SCHNEE MOREHEAD SEAM SEALER SM5504.

WEEPHOLES:

W1 = 1-3/8" X 1/4" WEEPHOLES AT 2-1/2" FROM EACH END
W2 = 1-5/16" NOTCH AT EACH END

Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
C.A.N. 3538
JAVAD AHMAD
2014

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Acceptance No 18-0919.03
Expiration Date March 11, 2019
By *Manuel Jerez*
Miami Dade Product Control

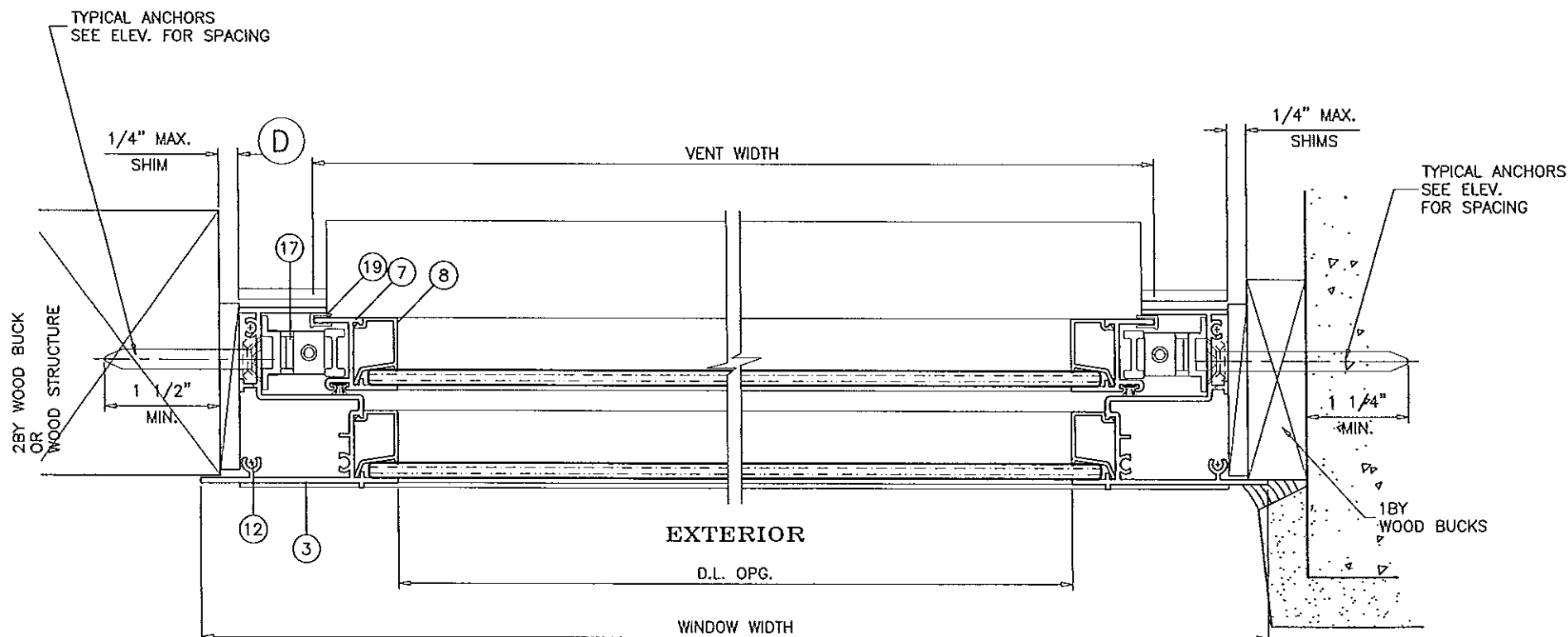
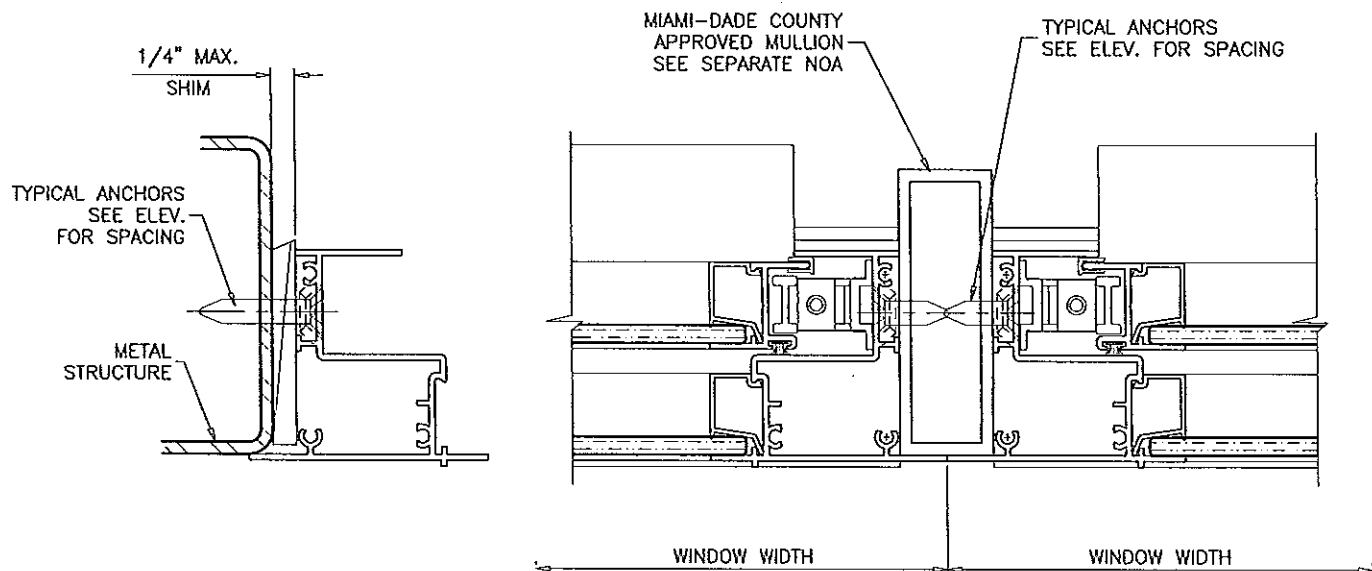
AL-FAROOQ CORPORATION
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SERIES-100 ALUM SINGLE HUNG WINDOW (N.I.)
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dr. by: HAMID
chk. by:

drawing no.
W03-109
sheet 3 of 5



ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	VW-101	1	FRAME HEAD	6063-T6	-
2	VW-102	1	FRAME SILL	6063-T6	-
3	VW-103	2	FRAME JAMB	6063-T6	-
4	VW-104	1	FIXED MTG. RAIL	6063-T5	-
5	VW-110	1	H.D. VENT TOP RAIL	6063-T6	-
6	VW-106	1	VENT BOTTOM RAIL	6063-T6	-
7	VW-107	2	VENT SIDE RAIL	6063-T6	-
8	VW-114	AS REQD.	GLAZING BEAD	6063-T6	-
9	VW-108	2/VENT	VENT LATCH @ 6" FROM ENDS	6063-T6	-
10	VW-116	1/LATCH	LATCH SPRING	ST. STEEL	-
11	-	-	-	-	-
12	#8 X 1"	20	FRAME & VENT ASSEMBLY SCREWS	CRS	PH SMS
13	VW-109	2/VENT	SASH CAM	CELCON	-
14	W22184NG	AS REQD.	PILE W'STRIPPING WITH PLASTIC FIN	-	SCHLEGEL
15	W22254NG	AS REQD.	PILE W'STRIPPING WITH PLASTIC FIN	-	SCHLEGEL
16	W22174NG	AS REQD.	PILE W'STRIPPING WITH PLASTIC FIN	-	SCHLEGEL
17	-	2/VENT	BLOCK & TACKLE BALANCE	-	-
18	-	2	SASH STOP	-	-
19	VW-112	-	VENT JAMB LINER	-	-
20	-	1	5/16" BOX SCREEN	-	OPTIONAL

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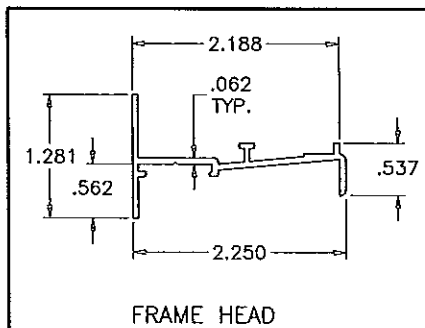
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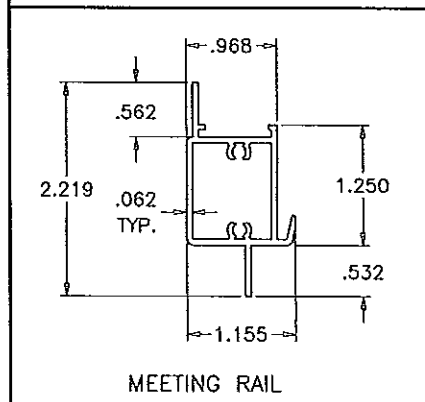
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sheet 4 of 5			

Engr: JAVAD AHMAD
 CML
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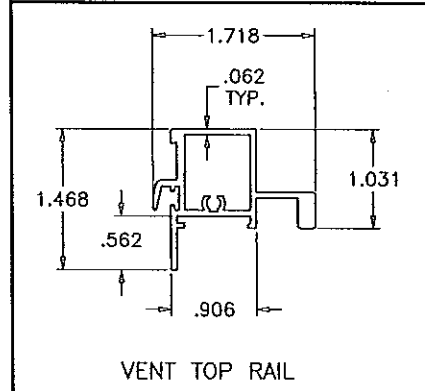
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 Miami Dade Product Control



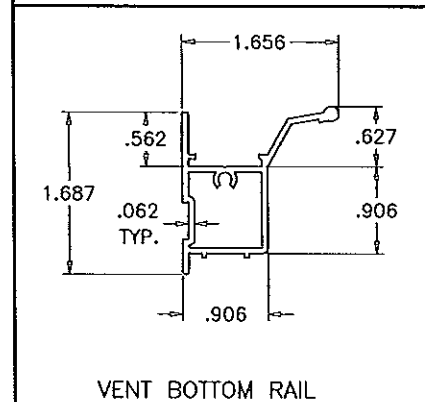
FRAME HEAD



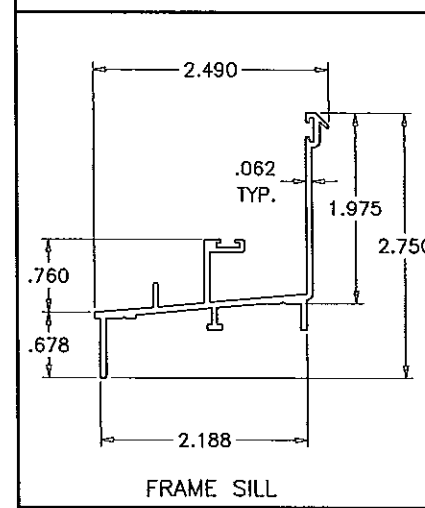
MEETING RAIL



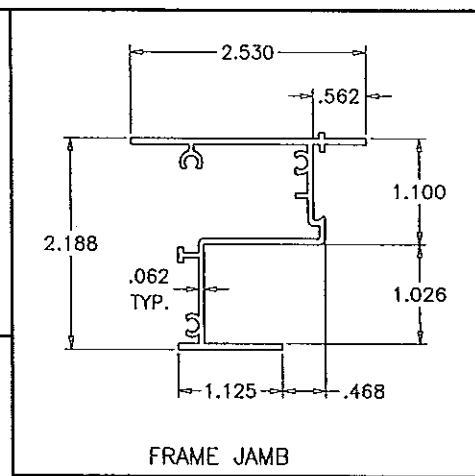
VENT TOP RAIL



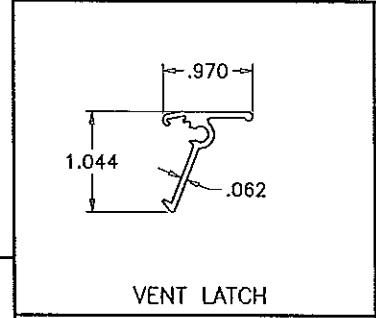
VENT BOTTOM RAIL



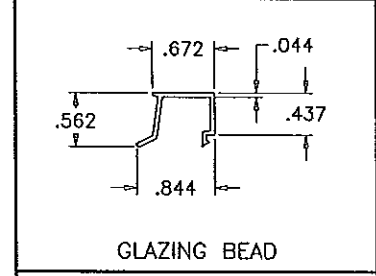
FRAME SILL



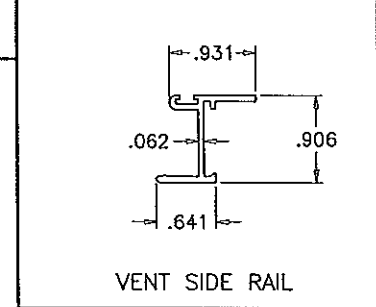
FRAME JAMB



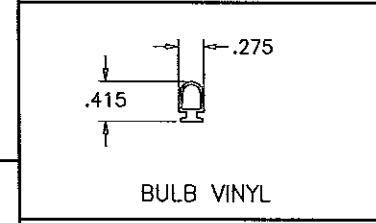
VENT LATCH



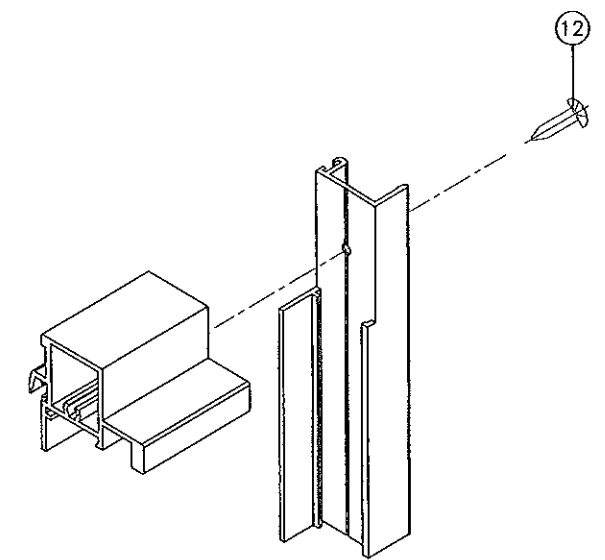
GLAZING BEAD



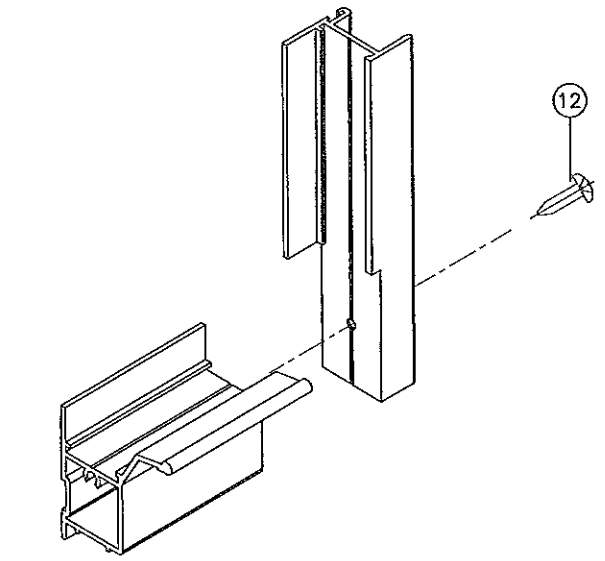
VENT SIDE RAIL



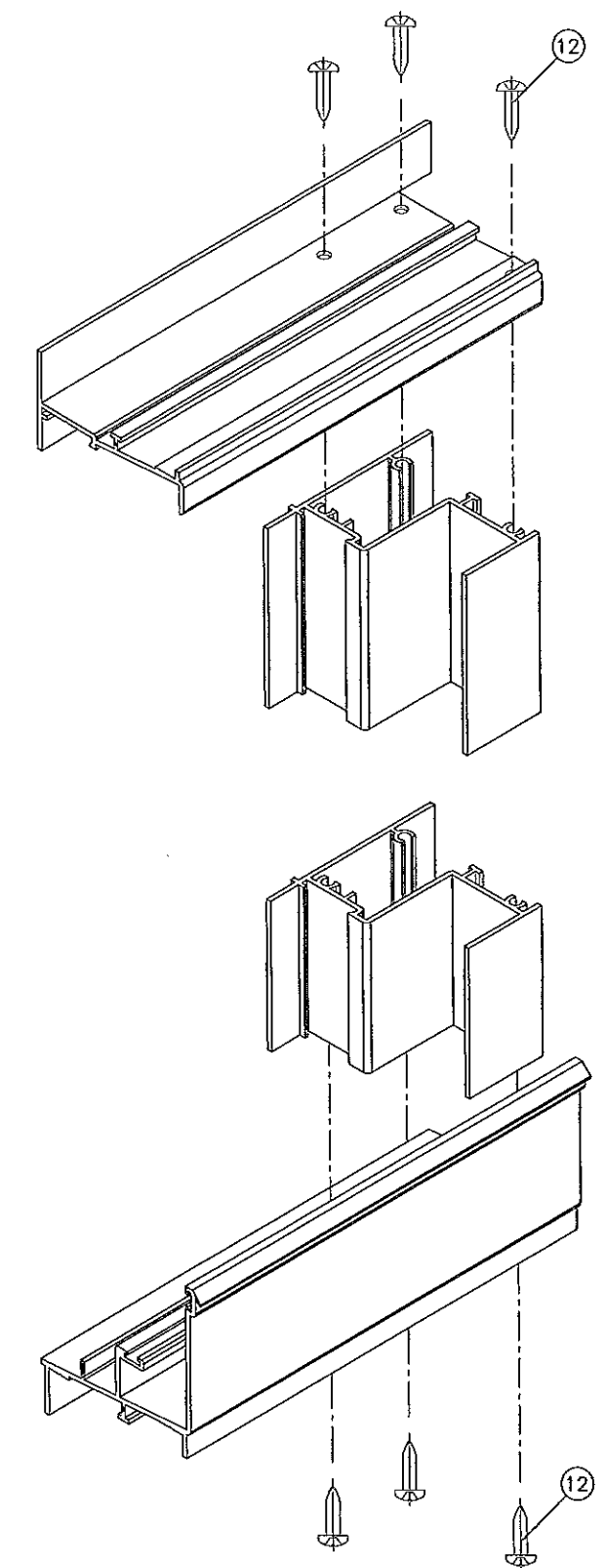
BULB VINYL



VENT CORNER DETAIL



FRAME CORNERS DETAIL



Engr: JAVAD AHMAD
CIVIL
FLA. PE # 70592
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